

Name:

Date:

Reading Guide Chapter 17- Tsunamis

1. How many tsunamis were there in the 20th century? How many people did they kill?
2. What is the most common cause of tsunamis? How many tsunamis were due to this cause in the 20th century?
3. What is the second most common cause of tsunamis? How many tsunamis were due to this cause in the 20th century?
4. How fast does a tsunami wave move when it occurs in water that is 4000 meters deep? What is the wavelength (or period) of a typical tsunami wave?
5. Why do we use computers to model tsunami waves? In other words, why should we care about tsunamis?

6. What happens to a tsunami wave as it approaches the shore?

7. Why did the Indian Ocean tsunami of 2004 kill so many people?

8. What is being done to prevent tsunamis from killing so many people in the future?

